

# Alvaston & Boulton District Council.

SEVENTEENTH

# Annual Report

FOR THE YEAR 1900.

Medical Officer of Health:

**WM. HY. WRIGHT,**

L.R.C.P., M.L., Irel.; M.R.C.S, Eng.; L.S.A., Lond.

Deputy Medical Officer of Health:

**AUBREY JOHNSTON,**

L.R.C.P., L.R.C.S., Edin.; L.F.P.S., Glasgow.

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1900.



CLEVELAND HOUSE,

DERBY, FEBRUARY 7TH, 1900.

*To the Chairman and Members of the  
Alvaston & Boulton District Council.*

GENTLEMEN,

I have the honour to submit to you my Seventeenth Annual Report. During the year 1899, the deaths of 46 persons (males, 24 ; females, 22) have been registered in your District, giving a death-rate of 10·5 per thousand for the year. During the same period, the births of 53 males and 54 females (together 107) have been registered in the District; the birth-rate for the year has accordingly been 24·4 per thousand.

It will be observed that there is a decrease in the death-rate as compared with last year. The death-rate for 1898 being 12 per thousand; and in 1897, 14·7 per thousand; and in 1896, 11·9 per thousand; and in 1895, 16 per thousand.

Population—Census	...	April, 1881	...	...	1,506
"	"	April, 1891	...	...	3,116
"	Estimated	June, 1892	...	...	3,412
"	"	June, 1893	...	...	3,670
"	"	June, 1894	..	...	3,750
"	"	June, 1895	...	...	3,780
"	"	June, 1896	...	...	3,840
"	"	June, 1897	...	...	4,000
"	"	June, 1898	...	...	4,160
"	"	June, 1899	...	...	4,380

The Local Government Board require the death-rate to be returned according to the estimated population, June, 1899. You will notice in the appended Table A :—Firstly—that the deaths under one year are thirteen against thirteen last year, and twenty-one the year before. Secondly—there is one death from consumption, against three last year, and four the year before. Thirdly—there are twenty-two deaths under the age of five years, against twenty-nine last year, and twenty-seven the year before.

Three of the deaths recorded were due to old age.

There were twelve deaths over 65 years of age, ten of which were over 70 years, with an aggregate age amounting to 775 years. Four of the deaths were over 80 years of age. The youngest death registered was four hours; the oldest, 83 years.

Table of Deaths for the years 1899, 1898, and 1897.

NAMES OF DISEASES.	1899	1898	1897
Disease of the Bladder ... ..	1	—	—
Hepatitis ... ..	—	1	—
Placenta Prævia ... ..	—	—	2
Cancer ... ..	—	2	1
Senile Decay (Old Age) ... ..	3	1	4
Cyanosis (Malformation of the Heart) ...	—	1	—
Bronchitis ... ..	1	10	4
Heart Disease ... ..	3	4	4
Pneumonia ... ..	3	6	4
Phthisis (Consumption) ... ..	1	3	4
Inanition (Weakly) ... ..	2	—	1
Convulsions ... ..	4	6	7
Marasmus ... ..	—	2	2
Premature Birth ... ..	4	—	—
Cystic Tumour ... ..	—	—	1
Atrophy ... ..	—	—	1
Tuberculosis ... ..	—	—	2
Inquests .. ..	1	3	2
Apoplexy ... ..	3	—	1
Meningitis ... ..	—	1	—
Pericarditis ... ..	—	—	1
Diabetes ... ..	—	—	2
Paralysis ... ..	2	—	—
Tumour ... ..	2	—	1
Nephritis ... ..	1	—	1
Croup ... ..	1	—	—
Genital Deformity ... ..	—	—	1
Pleurisy ... ..	1	—	—
Total .. ..	33	40	46

Table of Deaths from Zymotic Disease for the years  
1899, 1898, 1897.

NAMES OF DISEASES.	1899	1898	1897
Influenza .. ..	2	2	—
Whooping Cough ... ..	—	5	—
Measles ... ..	3	—	1
Diarrhœa ... ..	6	1	9
Diphtheria ... ..	—	—	—
Typhoid Fever... ..	1	—	3
Scarlet Fever ... ..	1	2	—
Total ... ..	13	10	13

In giving a *résumé* of Zymotic disease in the District, I have to state as follows :—

Zymotic death rate 2·9, last year 2·4, and in 1897, 3·25.

*Scarlet Fever.* It is with regret I have to report 22 cases of Scarlet Fever, notified between the 24th of February and the 28th of December, causing one death : thus it will be seen that Scarlet Fever has been with us ten months out of the twelve.

*Diarrhœa* has been very prevalent during the Summer Months, causing six deaths, against one last year, and nine the year before.

*Diphtheria.* There has only been one slight case notified during the month of February which happily recovered.

*Measles.* This disease not being notified, there is some difficulty in getting information, there was a serious outbreak in the month of June, 86 cases reported, I therefore ordered the Schools to be closed forthwith.

*Enteric Fever.* Two cases of Enteric Fever notified during the year.

	DRAINAGE.				CLOSETS & ASPHITS				Urinals defective.	Water Supply.	Offensive accumulations.	Animals improperly kept.	Figsties.	Smoke nuisance.	Overcrowding.	Foul Condition of Houses.	Totals.	
	No disconnection of Waste Pipe.	Defective Traps, Inlets, and Drains.	Drains obstructed.	Insanitary Privies	Insufficient Closet and Asphits.	Conversion of Privies into W.C.s.	Defective Water Closets.	Surface of Courts and Yards.										
Informal notices served by Inspector ...	..	9	6	28	..	..	3	..	14	9	8	..	..	..	..	6	78	Disinfected 18 houses after Infectious Disease.
Legal notices served by Authority ...	..	9	6	15	..	..	2	..	3	9	8	..	..	..	..	3	50	
Nuisances abated ...	..	9	6	28	..	..	3	..	14	9	3	..	..	..	..	6	78	
	DWELLING HOUSES.				DAIRIES AND COWSHEDS.				BAKE-HOUSES.		SLAUGHTER HOUSES.		OFFENSIVE TRADES.		COMMON LODGING HOUSES.		WORKSHOPS.	
	Number of Houses Reported as unfit for Habitation.	Legal Notices to Close Houses.	Number of Houses Closed.	Number of Infected Houses.	Number Disinfected	Inspections of Work in Progress.	Number of Register.	Number of Inspections.	Number of Notices served for infringing Bye-Laws.	Number on Register.	Number of Inspections.	Number of Notices served for infringing Bye-Laws.	Number on Register.	Number of Inspections.	Number of Notices served for infringing Bye-Laws.	Number on Register.	Number of Inspections.	Number of Notices served for infringing Bye-Laws.
..	6	6	..	..	19	18	..	..	4	..	3	..	..	..	..	..	7	..
Total Number of Inspections made.																		
Weekly.																		

# TABLE OF DEATHS

During the year 1899, classified according to Diseases, Ages, and Localities.

Names of Localities adopted for the purpose of these Statistics; public institutions being shown as separate localities.	Mortality from all causes, at subjoined Ages.							(i)	Mortality from subjoined causes, distinguishing Deaths of Children under Five Years of Age										Total	
	(b)	(c)	(d)	(e)	(f)	(g)	(h)		Scarlatina.	Typhoid.	Measles.	Diarrhoea and Dysentery.	Phthisis.	Bronchitis, Pneumonia and Pleurisy.	Heart Disease.	Influenza.	Injuries.	All other Diseases.		
	At all ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.													
Alvaston & Boulton	19	2	3		3	1	10	{ Under 5 5 upwds		1	1	2	1	1	1	1	1	8	1	4 15
Crewton ...	16	6	4	1		3	2	{ Under 5 5 upwds		2	2		1	2				6	3	11 5
Allenton ...	11	4	2	1		4		{ Under 5 5 upwds	1		1			1	1	1		4	1	6 5
Totals ...	46	12	9	2	3	8	12	{ Under 5 5 upwds	1	1	3	4	2	1	4	2	1	11	12	21 25

## NOTIFICATION OF INFECTIOUS DISEASE.

	1899.		1898.		1897.
Diphtheria ...	1	...	1	...	1
Scarlet Fever ...	22	...	15	...	6
Enteric Fever ...	2	...	—	...	22
Erysipelas ...	—	...	1	...	2
	—		—		—
Total ...	25	...	17	...	31

There has been a slight increase in the Zymotic death rate. We have had 13 deaths due to infectious disease, against 10 last year. The Zymotic death rate is 2·9 against 2·4 last year, and 3·25 in 1897.

In taking a review of the past year, there is much cause for congratulation. The district has been systematically visited, also special visits made immediately upon the outbreak of any Infectious Disease. There has also been a monthly visit paid to each school, and the Sick Log examined.

I have also received from the County Medical Officer of Health a weekly return of fresh cases of Infectious Diseases notified by Medical Officers of Health throughout the country, and have sent a weekly return, giving particulars of fresh cases in the Alvaston and Boulton District. This is invaluable in showing, at a glance, the early approach of any Infectious sickness.

I am pleased to say the “Notification of Diseases Act” has continued to work smoothly, and I have not had a single complaint. Every house I have visited I have been received with the greatest courtesy.

## REVIEW OF MONTHLY REPORTS.

## JANUARY.

I am pleased to state Public Health is very satisfactory. No deaths recorded.

Twelve births reported (Males 8, Females 4; giving a birth rate of 30 per thousand per annum.

## SCHOOL ATTENDANCE.

	Attendance.	On the Books.
Creweton ...	251	276
INFANTS ...	210	250
Alvaston ...	185	189
Allenton ...	169	188



## FEBRUARY.

Public Health very satisfactory. Three deaths reported, giving a death rate of 9 per thousand per annum. Four births reported (Male 1, Females 3), giving a birth rate of 12 per thousand per annum.

Two cases of Scarlet Fever notified, both at Allenton.

## SCHOOL ATTENDANCE.

		Attendance.	On the Books.
Creweton	..	304	317
INFANTS	...	175	215
Alvaston	...	200	212
Allenton	...	161	179

## MARCH.

Three deaths are reported, giving a death rate of 7.45 per thousand per annum.

Seven births reported (Males 4, Females 3), giving a birth rate of 17.5 per thousand per annum.

Notification of 16 cases of Scarlet Fever, all at Creweton.

Commencement of an Epidemic, of which details are given further on. Slight Epidemic of Mumps at Alvaston.

## SCHOOL ATTENDANCE.

		Attendance.	On the Books.
Creweton	...	276	312
INFANTS	...	162	229
Alvaston	...	200	216
Allenton Schools closed.			

## APRIL.

Two deaths reported, giving a death rate of 8 per thousand per annum. The respective ages being 10 months and 8 years.

Seven births reported (Males 6, Females 1), giving a birth rate of 29 per thousand per annum.

Notification of 4 cases of Scarlet Fever.

## SCHOOL ATTENDANCE.

		Attendance.	On the Books.
Creweton	...	287	313
INFANTS	...	167	214
Alvaston	...	205	218
Allenton	...	130	190

(Opened on the 17th of April.)

## MAY.

Public Health not so good. Notification of 4 cases of Scarlet Fever.

Five deaths reported, giving a death rate of 12·5 per thousand per annum.

Eleven births reported (Males 9, Females 2), giving a birth rate of 39·3 per thousand per annum.

## SCHOOL ATTENDANCE.

	Attendance.		On the Books.
Creweton	...	285	310
INFANTS	...	176	230
Alvaston	...	199	218
Allenton	...	160	185

## JUNE.

Public Health not so good. Serious Epidemic of Measles at Creweton. I ordered schools to be closed forthwith for three weeks. On June 26th a further visit of inspection was made, and, as there were still a considerable number of cases of Measles, the Schools were closed for a further period of 14 days.

Six deaths reported, giving a death rate of 18·7 per thousand per annum.

Nine births registered (Males 2, Females 7), giving a birth rate of 28 per thousand per annum.

## JULY.

Public Health slightly better. Six deaths reported, giving a death rate of 18·7 per thousand per annum.

Fourteen births registered (Males 5, Females 9), giving a birth rate of 43·75 per thousand per annum.

Diarrhœa prevalent. Schools closed for Summer holidays.

## AUGUST.

Public Health not so good. Six deaths reported, giving a death rate of 18·7 per thousand per annum.

Six births registered (Males 4, Females 2), giving a birth rate of 18·7 per thousand per annum.

Of the above deaths, 1 was due to Measles, and 4 to Diarrhœa, giving a Zymotic death rate of 15·6 per thousand per annum.

## SCHOOL ATTENDANCE.

	Attendance.		On the Books.
Alvaston	...	191	214
Allenton	...	163	194

Creweton Schools closed for additional holiday, and re-opened September 11th.

## SEPTEMBER.

Public Health fair. Four deaths reported, giving a death rate of 10 per thousand per annum.

Ten births registered (Males 4, Females 6), giving a birth rate of 25 per thousand per annum.

Diarrhœa prevalent up to the middle of September, causing 2 deaths. One case of Scarlet Fever notified.

## SCHOOL ATTENDANCE.

		Attendance.	On the Books.
Creweton	...	261	291
INFANTS	...	229	274
Alvaston	...	197	209
Allenton	...	151	200

## OCTOBER.

Public Health very satisfactory. Three deaths reported, giving a death rate of 9 per thousand per annum.

Eight births registered (Males 4, Females 4), giving a birth rate of 25 per thousand per annum.

School attendance very satisfactory.

## SCHOOL ATTENDANCE.

		Attendance.	On the Books.
Creweton	...	263	289
INFANTS	...	227	266
Alvaston	...	191	203
Allenton	...	170	193

## NOVEMBER.

Public Health very satisfactory. Three deaths reported, giving a death rate of 9.3 per thousand per annum.

Nine births registered (Males 4, Females 5), giving a birth rate of 28 per thousand per annum.

School attendance very satisfactory.

## SCHOOL ATTENDANCE.

		Attendance.	On the Books.
Creweton	...	256	286
INFANTS	...	217	277
Alvaston	...	191	199
Allenton	...	172	192

## DECEMBER.

Public Health satisfactory. Four deaths reported, giving a death rate of 12·5 per thousand per annum.

Eleven births registered (Males 2, Females 9), giving a birth rate of of 34·3 per thousand per annum.

School attendance satisfactory.

## SCHOOL ATTENDANCE.

		Attendance.	On the Books.
Creweton	...	241	284
INFANTS	...	180	260
Alvaston	...	181	197
Allenton	...	140	196

In giving a resumé of the year's work, I have to draw the attention of the Council to the serious outbreak of Scarlet Fever at Allenton, which lasted from February 27th to May 21st. There were 22 cases in all, 14 of which had my own personal attention, owing to the fact that we had no isolation hospital. The cases under my care all recovered. Nurse Woodall took charge of the patients, and it is only right to say, that it was owing to her untiring energy and devotion that the above excellent results were obtained. I take this opportunity of tendering my warmest thanks for her faithful services.

I have to record a serious epidemic of Measles at Creweton, which commenced on the 5th of June; there were some 86 cases. I ordered the Schools to be closed for three weeks, viz., until the 26th of June. I again visited the Schools, as there were still a large number of cases. I ordered the Schools to be closed for a further period of two weeks.

*Our further Sanitary requirements are:—*

## I.—A SYSTEM OF SEWAGE DISPOSAL.

This is a matter that must have our thoughtful and earnest consideration. We have certainly been set a bad example by the procrastination of the Borough of Derby, who have been talking about a Sewage Scheme for a period of twenty-two years; we trust they will now make an effort to take some steps by which we may benefit.

## II.—THE ERECTION OF AN ISOLATION HOSPITAL.

May I once more urge the want of an Isolation Hospital. I had hoped my Annual Report would contain an account of an excellent Isolation Hospital in full working order.

### III.—INFECTIOUS DISEASES (PREVENTION) ACT, 1890.

This Act was put into force December, 1894.

### IV.—PUBLIC WATER SUPPLY.

This is one of the most important matters for careful consideration.

### VI.—THE PUBLIC HEALTH AMMENDMENT ACT, 1890.

The Committee of the Derbyshire County Council are desirous of knowing whether this Act is in force in the District ; if so, to mention it in my Annual Report. I find it was adopted by your Council on December 15th, 1894.

I cannot conclude this report, without expressing the great advantages I have received in preventing Infectious disease, by regular visits to the schools, and advice to the teachers. The Health of the Schools will compare favourably with any school in England. I attribute the spread of Infectious Diseases in this County to contracting disease at schools, and I would urge upon the Local Government Board the desirability of making compulsory the Medical inspection of schools. I am pleased to say that Derby has appointed a Medical Officer to inspect its schools, and feel sure this is a step urgently needed.

In reviewing the work of the year, I may say that progress has been made, and useful sanitary work accomplished. My thanks are due to Dr. Barwise (County Medical Officer of Health) and my colleague, Dr. Johnston, for the kind assistance they have given. Trusting my efforts have met with your approval.

I remain, Gentlemen,

Your obedient Servant,

W. H. WRIGHT,

*Medical Officer of Health.*

AUBREY JOHNSTON,

*Deputy Medical Officer of Health.*

DEATHS DURING THE YEAR 1899, CLASSIFIED  
ACCORDING TO DISEASE AND AGES.

**TABLE A.**

Mortality from all causes, at subjoined ages :—

Under 1 year of age	...	...	...	13
1 and under 5 years of age	...	...	...	9
5     "     15     "	...	...	...	1
15   "     25   "	...	...	...	3
25   "     65   "	...	...	...	8
65 and upwards	..	...	...	12
				46

Mortality from subjoined causes, distinguishing Deaths of Children under 5 years of age and upwards :—

	Under Five.		Five and Upwards.	
Whooping Cough	...	...	—	—
Measles	...	...	3	—
Scarlet Fever	...	..	—	1
Typhoid Fever	...	...	—	1
Diarrhœa	...	...	4	2
Phthisis	...	...	—	1
Influenza	...	...	—	2
Bronchitis, Pneumonia, and Pleurisy	3			1
Heart Disease	...	...	—	4
All other Diseases	...	...	11	13
				—
Total	...	...	21	25

**TABLE B.**

New Cases of Sickness in each locality, coming to the knowledge of the Medical Officer of Health :—

	Under Five.		Five and Upwards.	
Scarlatina	...	...	6	16
Diphtheria	...	...	—	1
Enteric Fever	...	...	—	2
Erysipelas	...	...	—	—
Diarrhœa	...	...	4	2
Whooping Cough	...	...	—	—
Influenza...	...	...	—	2
				—
Total	...	...	10	23

N.B.—Measles not being notified, the age cannot be given ; 86 cases reported.